

□if a English version is needed, please let me know□

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☐☐ ☐☐☐ email: gulifan@hotmail.com

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# ##### Turing Test #####

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**Nature**

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BRAIN Initiative





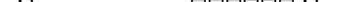



[illegible]



☐ Nature

☐ Nature

AlphaGo Zero の Nature は superhuman [1] AlphaGo game AlphaGo Zero

Shor's algorithm  
Quantum Supremacy

Quantum Supremacy  Sycamore  NISQ  noise   
 noise   
 noise 

Quantum Supremacy  noise 

Quantum Supremacy NISQ John Preskill [3]

Quantum Supremacy □□□□ optimization □ machine learning □□□□□□□□□□□□□□□□  
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Quantum Supremacy

“ ” “ ”

[illegible]

Académie française

smart phone

niche market

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[1] Mastering the game of Go without human knowledge, published in Nature, on 18 October 2017: <https://www.nature.com/articles/nature24270>.

[2] Quantum supremacy using a programmable superconducting processor, published in Nature, on 23 October, 2019: <https://www.nature.com/articles/s41586-019-1666-5>

[3] <https://www.quantamagazine.org/john-preskill-explains-quantum-supremacy-20191002/>.